

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1 **Claim 1 (original):** A magnetron comprising a choke
2 coil connected between a cathode terminal and a capacitor,
3 and cooperating with said capacitor to form an LC filter
4 circuit,

5 wherein said choke coil includes first and second core
6 type inductors having respectively bar-like high-frequency
7 absorbing members located within windings thereof, an air-
8 core inductor not having a high-frequency absorbing member
9 and connected to said cathode terminal;

10 said first core type inductor, said second core type
11 inductor and said air-core inductor are connected in
12 series, and

13 said first core type inductor and said second core
14 type inductor are arranged via a gap having a width within
15 1mm to 6mm.

1 **Claim 2 (original):** A magnetron according to claim 1,
2 wherein frequency characteristics of said high-frequency
3 absorbing members of said first and second core type
4 inductors are different from each other.

1 **Claim 3 (original):** A magnetron according to claim 1,
2 wherein one of said first and second core type inductors is
3 formed with a high-density wound type choke coil, and the
4 other is formed with a low-density wound type choke coil.

1 **Claim 4 (original):** A magnetron according to claim 1,
2 wherein lengths of said first and second core type
3 inductors are different from each other.

1 **Claim 5 (original):** A magnetron according to claim 1,
2 wherein said high-frequency absorbing members located
3 within said windings of said first and second core type
4 inductors are connected via an insulating material located
5 on a position corresponding to said gap presented between
6 said first and the second core type inductors.

1 **Claim 6 (currently amended):** ~~A magnetron according to~~
2 claim 5, A magnetron comprising a choke coil connected
3 between a cathode terminal and a capacitor, and cooperating
4 with said capacitor to form an LC filter circuit,
5 wherein said choke coil includes first and second core
6 type inductors having respectively bar-like high-frequency
7 absorbing members located within windings thereof, an air-
8 core inductor not having a high-frequency absorbing member
9 and connected to said cathode terminal;

10 said first core type inductor, said second core type
11 inductor and said air-core inductor are connected in
12 series, and;

13 said first core type inductor and said second core
14 type inductor are arranged via a gap having a width within
15 1mm to 6mm;

16 wherein said high-frequency absorbing members located
17 within said windings of said first and second core type
18 inductors are connected via an insulating material located
19 on a position corresponding to said gap presented between
20 said first and the second core type inductors;

21 wherein said insulating material is made of a silicone
22 rubber based material.

1 **Claim 7 (currently amended):** A magnetron according to
2 claim 1, A magnetron comprising a choke coil connected
3 between a cathode terminal and a capacitor, and cooperating
4 with said capacitor to form an LC filter circuit,

5 wherein said choke coil includes first and second core
6 type inductors having respectively bar-like high-frequency
7 absorbing members located within windings thereof, an air-
8 core inductor not having a high-frequency absorbing member
9 and connected to said cathode terminal;

10 said first core type inductor, said second core type
11 inductor and said air-core inductor are connected in
12 series, and;

13 said first core type inductor and said second core
14 type inductor are arranged via a gap having a width within
15 1mm to 6mm;

16 wherein said high-frequency absorbing members of said
17 first and second core type inductors are fixed within said
18 windings of the first and second core type inductors by
19 fixing means made of a silicone rubber based adhesive.

1 **Claim 8 (original):** A choke coil, for being connected
2 between a cathode terminal and a capacitor, and cooperating
3 with said capacitor to form an LC filter circuit of a
4 magnetron, comprising;

5 first and second core type inductors having
6 respectively bar-like high-frequency absorbing members
7 located within windings thereof, and

8 an air-core inductor not having a high-frequency
9 absorbing member and connected to said cathode terminal,

10 wherein said first core type inductor, said second
11 core type inductor and said air-core inductor are connected
12 in series, and

13 said first core type inductor and said second core
14 type inductor are connected via a gap having a width within
15 1mm to 6mm.